

# USB Type-C ENGINEERING CHANGE NOTICE

**Title: Attached.SRC Clarification on Vbus duration**  
**Applied to: USB Type-C Specification Release 2.4, Oct 2024**

<b>Brief description of the functional changes proposed:</b>
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Clarify that a port in the Attached.SRC state is expected to maintain Vbus while in the state, and cannot remove it based on low or no current draw from a sink.
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<b>Benefits as a result of the proposed changes:</b>
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Supports efficient USB Type-C sinks which depend on Vbus for connection detection and bus power; makes sure they don't lose Vbus unexpectedly because they draw too little current.
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<b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b>
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None.
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<b>An analysis of the hardware implications:</b>
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None.
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<b>An analysis of the software implications:</b>
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None.
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<b>An analysis of the compliance testing implications:</b>
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A new Source Power Test will be needed to check that sources maintain Attached.SRC requirements under low-draw conditions.
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## Actual Change Requested

### (a). 4.5.2.2.9.1 Attached.SRC State Requirements

#### From Text:

The port shall supply VBUS within tVBUSON of entering this state, and for as long as it is operating as a power source.

#### To Text:

The port shall supply VBUS within tVBUSON of entering this state, and **the port shall continue to supply VBUS as long as it remains in the Attached.SRC state. It is only permissible to remove VBUS in Attached.SRC state when the port partner is a VCONNPowered USB Device, as described below.**

**Note: Sources in the Attached.SRC state shall not remove VBUS based on a minimal level of current drawn by the Sink as its basic functionality may depend on VBUS presence.**